Specification

Model	MCBIR3100B
Pick up Element	1/3" SONY 1.3Megapixel CMOS Sensor
Effective Picture Elements (H×V)	1305(H) X1049(V)
Resolution	1000TVL
Minimum Illumination	0.01 Lux/F1.2
S/N Ratio	More than 50dB
Scanning System	Progressive
Synchronous System	Internal, Negative sync.
Auto Electronic Shutter	NTSC: 1/60s~1/100,000s, PAL: 1/50s~1/100,000s
Gama Characteristic	0.45
IR Distance	30 Meters (with Φ5X36 PCS Infrared LED)
Video Output	1Vpp, 75Ω
Auto Gain Control	Auto
Power/Current	DC12V(+/-10%)/450mA
Lens	CS Lens 6mm/F2.0
Dimension (mm)	213 (W) x93(H) x83(D)
Weight (g)	880
Storage Temperature	-30~+60℃ RH95% MAX
Operating Temperature	-10~+50℃ RH95% MAX

Packing List

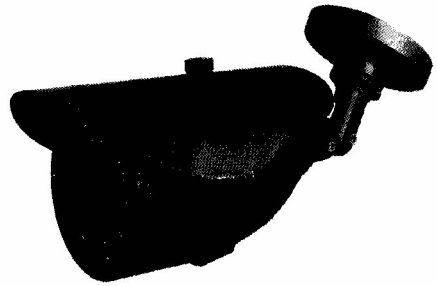
No	Name	Model	Number
1.	Weatherproof IR Color Camera	MCBIR3100B	1
2.	User Guide	MCBIR3100B	1

MAGUS SECURE

Franchiser:

MCBIR3100B Color Camera

Weatherproof IR Color Camera



Notes: Before providing power for the camera, please read this User Guide in detail!

Do not attempt to disassemble the camera. If the camera can not work, please contact local franchiser or our company.

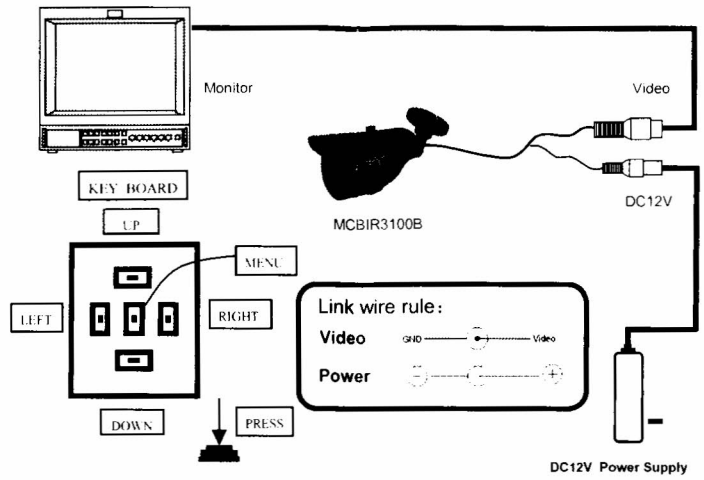
■ BRIEF OF PRODUCT

* **Sensor (CMOS)**
  Adopt SONY 1/3″ CMOS Sensor.
* **Auto Gain Control (AGC)**
  Built-in auto gain control **(AGC)** circuit. The color camera can get high definition picture in low Lux condition.
* **Scanning Mode**
  NTSC or PAL mode.
* **Water Resistance**
  IP66
* **Support UTC function**
  With UTC Remote Controller for the convenience of OSD menu setting.

* OSD SETTING

OSD SET	IMAGE	3D-NR	ON/OFF
		AE MODE	GLOBAL/CENTER/CENTERWEIGHT/BLACK LIGHT/FRONT LIGHT/DISTINGUISH
		IMAGE ENHANCE	SHARPNESS/CONTRAST/SATURATION
		MIRROR	ON/OFF
		FLIP	ON/OFF
		BRIGHTNESS	0.10.20.....250
		ZOOM IN	50. 60. 70. 80. 90. 100
	DAY&NIGHT	AUTO	
		IR-CUT	
	WB	AWB-PRO	
		AWB-TEMPORAL	
		AWB-AI	
		AWB-SZ	
		AWB-GW	
		AWB-CCT	
	ZONE MASKING	COLOR	MOSAIC/WHITE/YELLOW/CYAN/GREEN/ MAGENTA/RED/BLUE/BLACK
		AREA NO.0 - AREA NO.7	
	DIRECTION	AREA NO.0 - AREA NO.3	
	LANGUAGE	ENGLISH	
		CHINESE	
	LOAD DEFAULT		
	SOFT VERION		
	SAVE&EXIT		

■ CONNECTING



TROUBLE AND SOLUTION

1. No Picture after providing power
. May be the power supply voltage abnormity, please check the power supply voltage and pole whether exactitude.
. Please check all the connecting cable and monitors whether be connected correctly or not.

2. The picture level direction have flowing interference ripples
. May be caused by the power supply AC ripples, it need filter the wave of the power supply.
. Check the monitor and peripheral equipments used.

3. The picture background color changes continuously
. The fluorescent lamp's electromagnetic field cause color roll. This is proper phenomenon of the cameras.
. Reduce the fluorescent lamp numbers or increase the distance between the camera and the fluorescent lamps can improve it.
. Use power supply external sync. camera can solve it.

4. The picture smear too mass
. The power supply's voltage unstable.
. Connecting cables not connect correctly or have high impedance.

Notes:

- The power supply must through safe attestation. Its output voltage, current, voltage polarity and operating temperature must match the camera's requirement.
- When using the camera in the thunderbolt condition, please note to mount Anti-thunder device or put off the power supply plug and cable.
- In order to capture high quality pictures, the power supply's cable and video output cable should not be too long.

■ INTRODUCTION

Congratulations on your purchase of this product. This User Guide suits MCBIR3100B product. We adopt the latest SONY technical of sensor and driver. The most attractive characteristics are small and easy hidden, suits the elevator and corridor. In addition, it owns the characters of high definition and stability, strong anti-jamming, rich and real color. Fixing and using this model are convenient too. It is very good for you to apply to your CCTV system.

Please read this instruction manual carefully to ensure proper use of the product.

The symbol is intended to alert the user to the presence of important operating and maintenance (servicing) Instructions in the literature accompanying the appliance.

The symbol is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient Magnitude to constitute a risk of electric shock to persons.

CAUTION:
RISK OF ELECTRIC. DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER OR BACK NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING

CAUTION: TO PREVENT ELECTRIC SHOCKS AND RISK OF FIRE HAZARDS, DO NOT USE OTHER THAN SPECIFIED POWER SOURCE.

Note:

- Please note the camera's operating temperature and its using environment requirement. Avoid using the camera at too high or too low temperatures. The operating temperature is -30~+60 ℃. (Recommendatory operating temperature is -10~+50 ℃.)
- Never make the camera face the sun or bright object. Otherwise, it will damage the CMOS.
- Do not mount the camera near by the radiator or heater.